**R-type**:

opcode[15:13] | rd[12:10] | rs1[9:7] | rs2[6:4] | func[3:0]

**I-type**:

opcode[15:13] | rd[12:10] | rs[9:7] | imm[6:0]

**Load/Store**:

Opcode[15:13] | rd/rs[12:10] | addr[9:6] | reserved[5:0]

**Jump:**

Opcode[15:13] | imm[12:5] | reserved[4:0]

**Branch\_Equal\_Zero/BNEQZ**

Opcode[15:13] | rs[12:10] | addr[9:2] | reserved[1:0]

|  |  |
| --- | --- |
| **Name** | **Code** |
| R-type | 000 |
| I-type | 001 |
| Load | 010 |
| Store | 011 |
| Jump | 100 |
| BEZ | 101 |
| BNEZ | 110 |
| NOP | 111 |